Service Manua TAPE RECORDER DE TECHNICS



SINGLE POINT ELECTRET STEREO MICROPHONE



MODEL RP-3200E

SPECIFICATIONS

Frequency characteristics:

50~15,000 Hz

Sensitivity:

 $-72 \text{ dB } (0 \text{ dB} = 1 \text{ V}/1\mu \text{ bar})$

Output impedance:

600Ω±20% (at 1 kHz)

Inherent noise:

35 dB SPL

Wind noise:

55 dB SPL

Maximum sound pressure level:

120 dB SPL

Required battery:

One UM-3 (Size AA)

Microphone cable:

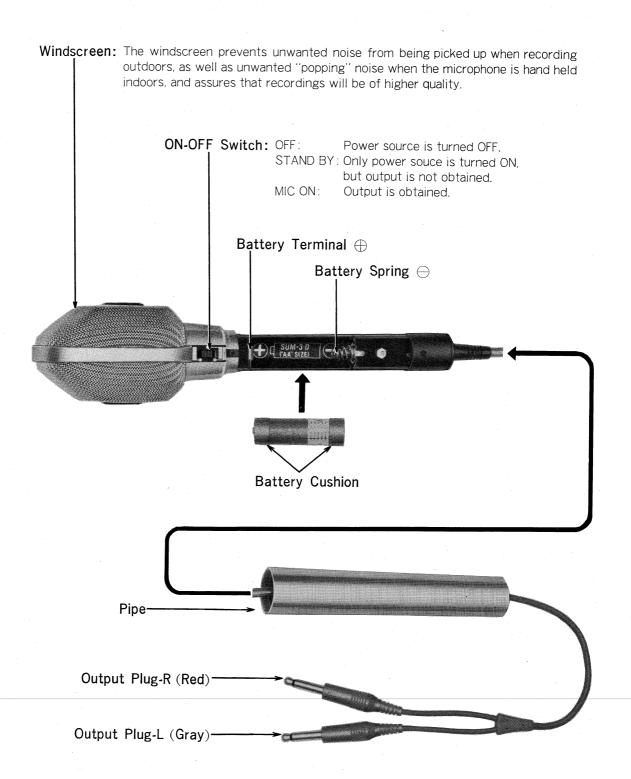
Note: an on-off switch provided

5 mm ϕ , 5 m, in length with standard Phone-Type Plug

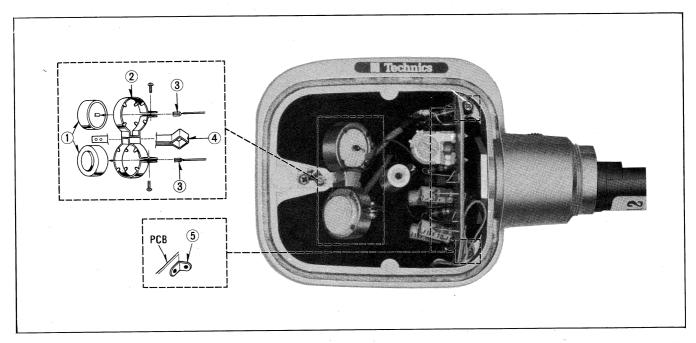
These specifications are subject to change in order to accommodate improvements in design.

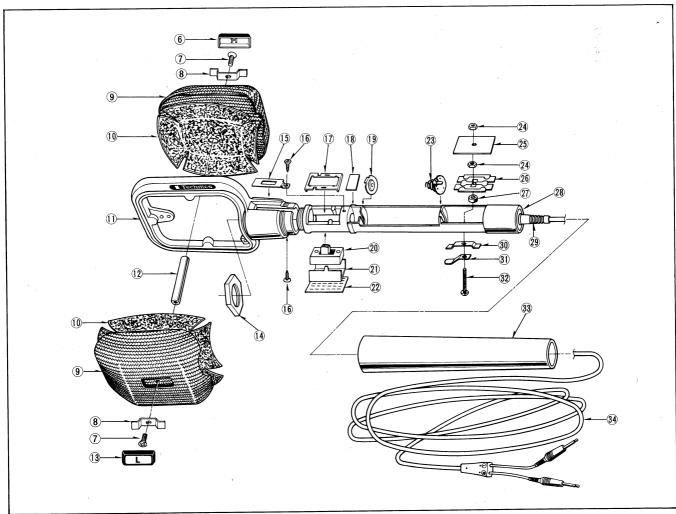


LOCATION OF CONTROLS AND COMPONENTS



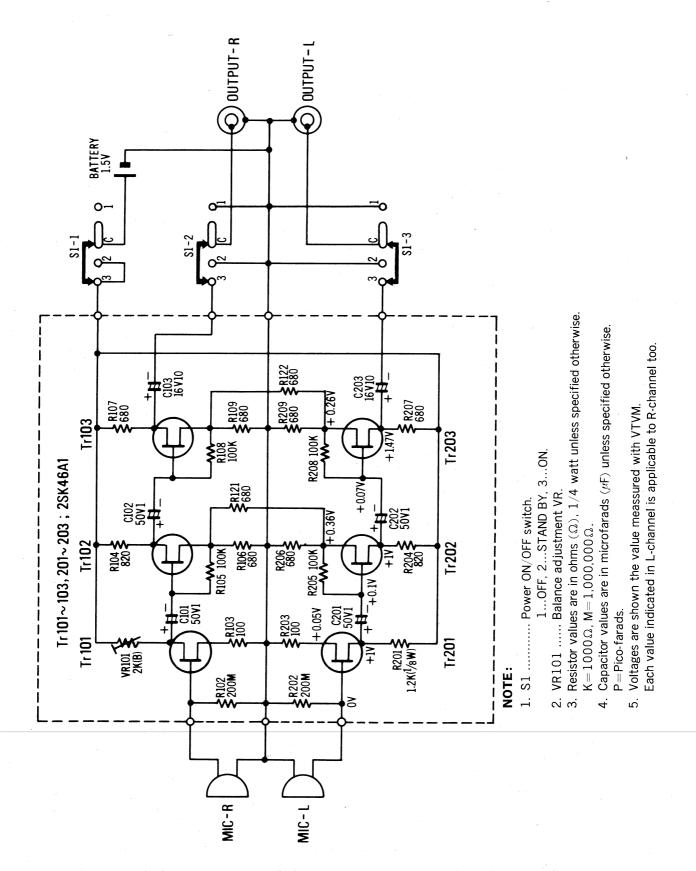
PARTS LOCATION



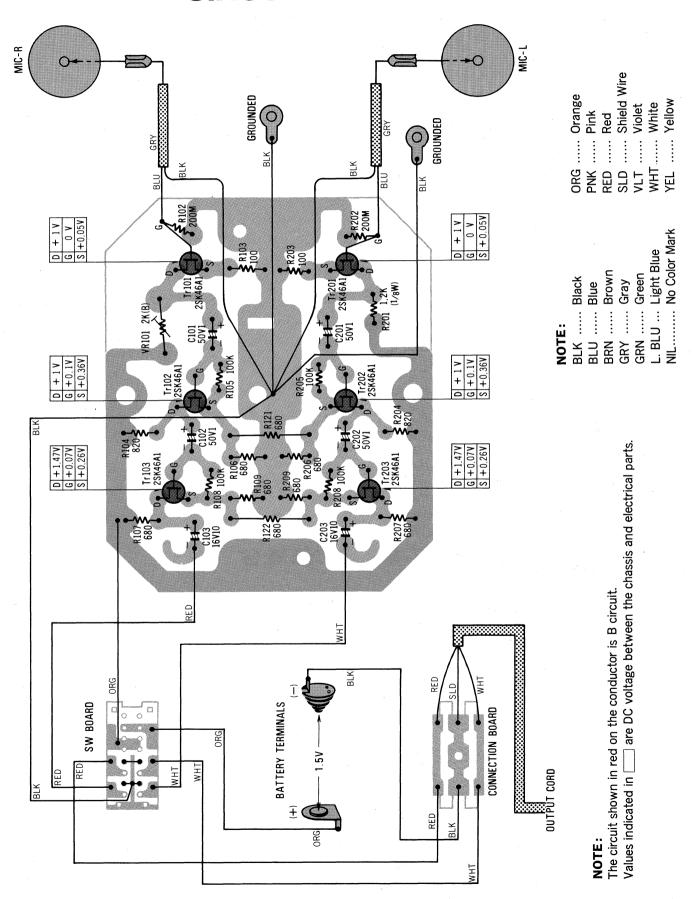


NOTE: To disassembly, after removing L-indicater (3) pasted on indicater retainer (8), unscrew (7), and remove a left side net (9).

SCHEMATIC DIAGRAM MODEL RP-3200E



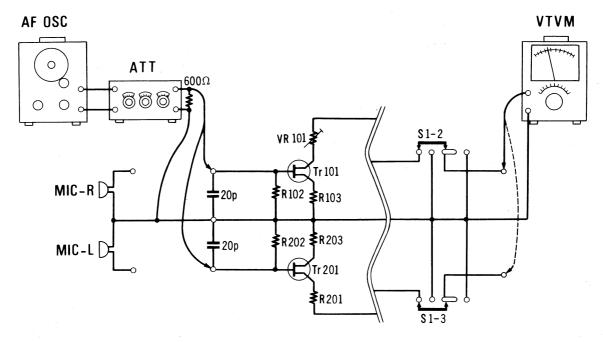
CIRCUIT BOARD



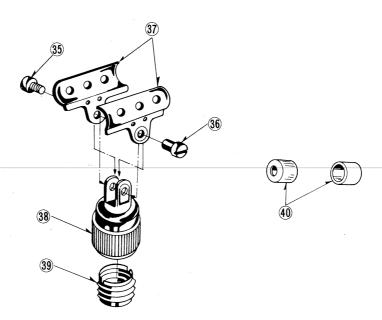
ADJUSTMENT

Make sure the adjustment of output balance when changing FET and etc. in servicing. The procedure is as follows.

- 1. Remove both mic-units from the gates of FETs (Tr101, Tr201).
- 2. Connect 20 pF capacitors between each gate of FETs (Tr101, Tr201) and ground.
- 3. Apply the signal of 1 kHz, 10 mV to the gates of FETs simultaneously.
- 4. Adjust VR101 for balanced output.



ACCESSORIES



REPLACEMENT PARTS LIST MODEL RP-3200E (MTechnics)

NOTE:

- 1. Be sure to make your orders replacement parts according to this list.
- 2. "N" in "Remark" column indicates new parts.

RP-3200E

Ref. No.	Description	Part No.	Pcs/ Set	Price (Per Pce.)	B 1
					Remarks
	PECICTORS				
	RESISTORS				
R102, 201	Solid Resistor 200 MΩ 1/4 W	ERC14GS207	2		•
R103, 203	" 100Ω 1/4 W	ERC14GK101	2		COMMON
R104, 204	» 820Ω 1/4 W	ERC14GK821	2		"
R105, 108, 205, 208	" 100 KΩ 1/4 W	ERC14GK104	4		,,
R106, 107, 109	, 121, 122, 206, 207, 209				
	" 680Ω 1/4 W	ERC14GK681	8		,,
R201	" 1.2 KΩ 1/8 W	ERC18GK122	,1		"
	VARIABLE RESISTOR				
VR101	Semi-fixed Variable Resistor $2 \text{ K}\Omega(B)$	EVLW0A00B23	1		0
	CAPACITORS				
C101, 102, 201, 202	Electrolytic Capacitor 1 µF	ECEA50V1L	4		COMMON
C103, 203	" 10μF	ECEA16V10L	2		,,
	TRANSISTORS				
Tr101, 102, 10	3, 201, 202, 203				
	FET	2SK46A1	6		0
	COMPONENT PARTS				
1	Microphone Unit	EM04	2		0
2	Microphone Holder	YPMMK194AA4	1		•
3	Connector	YPMEE010AA4	2		•
4	Microphone Metal	YPMMK195AA4	1		0
5	PCB Holder	YPMMK204AA4	2		0
6	R-Indicator	YPMHK306BA4	1		•
7	Screw ⊕2.6×6	XSC26+6FT	2		COMMON
8	Indicater Retainer	YPMMK205AA4	2		0

RP-3200E

Ref. No.	Description	Part No.	Pcs/	Price (Per Pce.)	Remarks
		rait IVO.	Set		Remarks
9	Net	YPMMN168AA3	2	1 81 1 1	©
10	Filter	YPMMQ142AA4	2		Ø
11	Case	YPMSS002AA	1		(
12	Pole	YPMMP053AA4	1		©
13	L-Indicater	YPMHK307BA4	1		©
14	Nut	YPMMJ157BA4	1		•
15	Switch Indicater	YPMHK312AA4	1		©
16	Screw ⊕2×4	XTS2+4A	2		COMMON
17	Switch Angle-B	YPMMK202AA4	1		©
18	Pad Plate	YPMHK288AA4	1		RP-3550E, 3830E
19	Battery Terminal \oplus	YPMMX031AA4	1		,,
20	Slide Switch	YPMES043AA	1	Stores .	0
21	Switch Angle-A	YPMMK197CA4	1		0
22	Switch Board	YPMEP109AA4	1		©
23	Battery Terminal ⊖	YPMKM146AA4	1		RP-3550E
24	Nut 2.6¢	XNG26	2		COMMON
25	PCB Cover	YPMMC398AA	1		®
26	Connection Board	YPMEP110AA4	1		Ø
27	Spacer	YPMMC438AA4	1		®
28	Mic End	YPMSS001AA	1		®
29	Cord Bushing	YPMMH065AA4	1		Ø
30	PCB Set Metal	YPMMK201BA4	1		0
31	Contact Metal	YPMMS078BA4	1		Ø
32	Screw ⊕2.6×14	XSN26+14FT	1		COMMON
33	Pipe	YPMMC444AA4	1		•
34	Output Cord	YPMEK357CA3	1		0
35	Mic Holder Screw-B	YPMMJ142AA4	1		RP-3550E, 3850E
36	Mic Holder Screw-A	YPMMJ141AA4	1		99
37	Mic Holder	YPMMA185CA4	2		,,,
38	Mic Holder Screw	YPMMA184BA4	1		"
39	Conversion Adaptor	YPMMJ165AA4	1		"
40	Battery Cushion	YPMMG077BA4	2		"
41	Lether Case	YPMPN275AA4	1		0
42	Packing Case	YPMPN274AA4	1		0
43	Instruction Book	YPMPJ083AA	1		0